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## TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

UF-371XC1 U.S. DUMBER UF-371XC1 U.S. DUMBER UFR 1.5)

CC	DICERNING A SUBMISSIO										
	NATIONAL APPLICATION NO. S2004/026965	INTERNATIONAL FILING DATE August 18, 2004	PRIORITY DATE CLAIMED August 18, 2003								
	TITLE OF INVENTION Heat Stable Variants of Adenosine Diphosphate Glucose Pyrophosphorylase										
APPLICANT(S) FOR DO/EO/US											
	L. Curtis Hannah, Carla R. Lyerly Linebarger  Applicant berowith submits to the United States Designated/Floated Office (DO/FO/US) the following items and other informations										
	cant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:										
1.	This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.										
2.	This is a SECOND or SUBSEQUENT 9	This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.									
3. 🗸	This is an express request to begin nat (5), (6), (9) and (21) indicated below.	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.									
4. 🗸	. The de tide been diedled (validie ev).										
5. <b>✓</b>	A copy of the International Application	A copy of the International Application as filed (35 U.S.C. 371(c)(2))									
	a. is attached hereto (required	d only if not communicated by the Internation	nal Bureau).								
	b.	y the International Bureau.									
	c. is not required, as the appli	ication was filed in the United States Receiv	ing Office (RO/US).								
6.	An English language translation of th	ne International Application as filed (35 U.S.C	C. 371(c)(2)).								
	a. Lis attached hereto.										
	b. has been previously submi	itted under 35 U.S.C. 154(d)(4).									
7.	Amendments to the claims of the Inte	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))									
	a. are attached hereto (requ	a. are attached hereto (required only if not communicated by the International Bureau).									
	b. have been communicated	by the International Bureau.									
	c. have not been made; how	vever, the time limit for making such amendr	nents has NOT expired.								
_	d. La have not been made and	will not be made.									
8.	An English language translation of the	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).									
9.	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). unsigned										
10.	An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).										
Ite	ms 11 to 20 below concern document(s	s) or information included:									
11.	An Information Disclosure Statement	t under 37 CFR 1.97 and 1.98.									
12.	An assignment document for recording	ng. A separate cover sheet in compliance wi	ith 37 CFR 3.28 and 3.31 is included.								
13. 🔽	A preliminary amendment.	A preliminary amendment.									
14.	An Application Data Sheet under 37	An Application Data Sheet under 37 CFR 1.76.									
15.	A substitute specification.										
16.	A power of attorney and/or change o	f address letter.									
17.	•	quence listing in accordance with PCT Rule	13ter.2 and 37 CFR 1.821- 1.825.								
18.	A second copy of the published Inter	rnational Application under 35 U.S.C. 154(d)	(4).								
19.	A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).										

APRODE TO

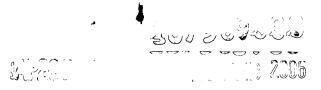
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PTO-1390 (Rev. 07-2005)
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U.S. APPLICA	1100 NO. (If known   1569   1		OT/US2004/02696	•	ATTORNEY'S DO	CKET NUMBER
20. Other Certificate of	r items or information	on:				
The fol	llowing fees have b	een submitted			CALCULATIONS	PTO USE ONLY
21. 🔽 Bas	sic national fee (37	CFR 1.492(a))		\$300	\$ 300.00	
22. 📝 Exa	mination fee (37 CF	R 1.492(c))				1
by IPEA	nion prepared by IS /US indicates all cl ons	\$200.00				
If the written opin IPEA/US Search fee (37 Contents International Search previous)	arch fee (37 CFR 1. nion of the ISA/US S indicates all claim CFR 1.445(a)(2)) had the control of the control of the control of	\$100.00				
	TOTAL OF 21, 22	\$600.00				
sequence	ee for specification ce listing in complia ic medium) (37 CF is \$250 for each ad Extra Sheets					
51 100 -	0 /50 =	thereof (found	up to a whole number) 0		\$0.00	
Surcharge of \$1 after the date of	30.00 for furnishing	l any of the seard the national stag	ch fee, examination fee, or the ge (37 CFR 1.492(h)).	x \$250 oath or declaration	\$	
CLAIMS	NUMB	ER FILED	NUMBER EXTRA	RATE	\$	
Total claims	;	47 - 20 =	27	× \$50	\$1,350.00	
Independent cla	ims	7 -3=	4	× \$200	\$800.00	
MULTIPLE DEP	ENDENT CLAIM(S	S) (if applicable)		+ \$360	\$	
	•		TOTAL OF ABOVE	CALCULATIONS =	\$2,750.00	
Applicant cl	aims small entity st	\$1,375.00				
		\$1,375.00				
	of <b>\$130.00</b> for furni date (37 CFR 1.492	\$				
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Fee for recording by an appropriate	g the enclosed ass te cover sheet (37)	\$				
		\$ 1,375.00				
					Amount to be refunded:	\$
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d. 🗖	Fees are to be charged to a credit card. <b>WARNING</b> : Information on this form may become public. <b>Credit card information should not be included on this form</b> . Provide credit card information and authorization on PTO-2038.								
	Where an appropriate time limit under 37 CFR 1.495 inted to restore the International Application to pend	5 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed ding status.							
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С	USTOMER NUMBER	SIGNATURE							
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## Patent Application Docket No. UF-371XC1

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants	:	L.	Curtis	Hannah,	Carla	R.	Lyerly	Linebarger	

Docket No. : UF-371XC1

For : Heat Stable Variants of Adenosine Diphosphate Glucose

Pyrophosphorylase

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313

## CERTIFICATE OF MAILING BY EXPRESS MAIL (37 CFR §1.10)

Express Ma	il No.:_	E	Q31	80	4512		Da	te of De	posit	: Febi	ruary 17,	<u>2006</u>
I h	ereby	certify	that	the	attached	Trans	mittal	Letter	to	the	United	States
Designated/	Elected	d Office	(DO/	EO/U	S), Prelin	ninary	Amend	lment, a	nd I	Decla	ration (3	7 CFR
§1.63) and	Power	of Atto	rney,	with	copies as	requir	ed for	authoriz	zatio	n for	use of I	<b>Deposit</b>
Account No	o. 19-00	065, are	being	depos	ited with	the Un	ited St	ates Pos	tal S	ervice	e "Expres	ss Mail
Post Office	to Ad	dressee"	servi	ce un	der 37 C	FR §1.	10 on	the date	indi	icated	above a	ınd are
addressed t	to: Ma	ail Stop	PCT,	Com	missioner	for Pa	itents,	P.O. Bo	x 14	150, <i>i</i>	Alexandr	ia, VA
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